

<p>COMPONENTS:</p> <p>1. Lithium selenite; Li_2SeO_3; [15593-51-8]</p> <p>2. Water; H_2O; [7732-18-5]</p>	<p>ORIGINAL MEASUREMENTS:</p> <p>Rosenheim, A.; Krause, L. <i>Z. Anorg. Allgem. Chem.</i> <u>1921</u>, <i>118</i>, 177-191.</p>																								
<p>VARIABLES:</p> <p>Temperature: 273 - 373 K</p>	<p>PREPARED BY:</p> <p>Mary. R. Masson</p>																								
<p>EXPERIMENTAL VALUES:</p> <table border="1" data-bbox="352 473 1033 675"> <thead> <tr> <th>t/°C</th> <th>Li_2SeO_3 mass %</th> <th>Li_2SeO_3 g/100 ml water</th> <th>$\text{Li}_2\text{SeO}_3^a$ mol/kg</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>19.99</td> <td>24.99</td> <td>1.774</td> </tr> <tr> <td>25</td> <td>16.76</td> <td>20.17</td> <td>1.430</td> </tr> <tr> <td>47.5</td> <td>14.53</td> <td>16.99</td> <td>1.207</td> </tr> <tr> <td>60</td> <td>12.75</td> <td>14.62</td> <td>1.038</td> </tr> <tr> <td>100</td> <td>9.05</td> <td>9.94</td> <td>0.707</td> </tr> </tbody> </table> <p>^a Molalities calculated by the compiler. The solid phase was $4\text{Li}_2\text{SeO}_3 \cdot 3\text{H}_2\text{O}$</p>		t/°C	Li_2SeO_3 mass %	Li_2SeO_3 g/100 ml water	$\text{Li}_2\text{SeO}_3^a$ mol/kg	0	19.99	24.99	1.774	25	16.76	20.17	1.430	47.5	14.53	16.99	1.207	60	12.75	14.62	1.038	100	9.05	9.94	0.707
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<p>METHOD APPARATUS/PROCEDURE:</p> <p>A simple saturation procedure. Selenium was determined gravimetrically and iodometrically, and lithium alkalimetrically.</p>	<p>SOURCE AND PURITY OF MATERIALS:</p> <p>ESTIMATED ERROR:</p> <p>No estimates possible.</p> <p>REFERENCES:</p>																								